

Our Saviors Lutheran Church
1035 Carol Lane Lafayette
MEETING IN THE SANCTUARY
*** License Testing 5:30pm ***
Meeting Begins 7:00pm

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THIS MONTH'S MEETING

THE MAGIC OF RADIO

PRESENTED BY PETE HARRIS, KE6ZIW



Pete has been fascinated with the magic of radio since he was 3 years old, before television. That love for radio was further sparked when he learned as an older child that the lives of his parents were literally saved by the illicit use of Nazi-banned short-wave radio in Europe during WWII. Pete has been a licensed amateur radio operator since getting his

technician class license about 25 years ago .

Pete is a retired Children's Services Social Worker/Supervisor. He lives with his wife Donna in Martinez. They have been married for 50 years, have two adult children, and 4 grandchildren whom they love spending time with.

*Our in-person meeting will also be held virtually, via the Zoom video system. The meeting access ID and password will be distributed via groups.io email announcement. The meeting will also be shown on the club digital amateur television repeater, which is live streamed at: <http://w6cxatv.mdarc.org/> and also live streamed on YouTube on the **Media MDARC** channel.*



Brian Garlington, AG6O
Stewart Graham, KG6OTE
Robert Henneg, KI6ATH
Benjamin Madsen, KN6QOX
Gregory Paul, KN6FGX

**If you hear these new members on the air,
please welcome them to our club.**

*— Jan Kulisek, KM6NFC, Vice President and
Membership Chair*



**When you purchase at Amazon dot com
smile, a portion of your purchase is
donated to our club.**

Go to:
<https://smile.amazon.com/ch/23-7072059>

**ALL MEMBERS ARE INVITED TO JOIN
THE FREE CLUB E-MAIL GROUP AT:**

<https://groups.io/g/MDARC>

Mount Diablo Amateur Radio Club W6CX
P.O. Box 23222 Pleasant Hill, CA 94523
(925) 288-1730

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

President - Larry Bradley, KK6QPE
Vice President - Jan Kulisek, KM6NFC
Secretary – Brian Lotter, KM6NGS
Treasurer - Cathi Walton, K2CJW
Emergency Coordinator - Ron Bunch, W4FEK

Directors At Large
Trevor Hall, WA6JAU Cal Vasquez, K6VT
Eric Ferguson, KA6USJ Mike Warren, W6MEW

Membership Chair – Jan Kulisek, KM6NFC
mdarcmembership@mdarc.org

PACIFICON 2021
Chair: Julie Mah, WJ8MAH
Registration: Debbie Deeble, KN6DOM
Treasurer: Jim Siemons, W6LK
Secretary: Jan Kulisek, KM6NFC

COMMITTEE CHAIRS AND COORDINATORS

Annual Auction - Jim Siemons, W6LK
Communications Trailer - Mike Warren, W6MEW
Communications Van MDARC-1 - Jim Tittle, K6SOE
Digital Media - Mike Patterson, N6JGA
Education & Training - John Primus, AF6RJ
Field Day - Larry Loomer, KI6LNB
Good & Welfare - Diana Sage, KA6TZU
Holiday Dinner - Misa Siemons, KJ6BUE
License Testing - Larry Loomer, KI6LNB
Outreach - Dick Wade, WM6G
Public Service - Lisa Anthony, K6PIA
Radio Equipment Lending - Cal Vasquez, K6VT
Refreshments - Elizabeth Styles, KG6HLV
Repeater Trustee W6LGW - Dick Brown, KT6X
Repeater Trustee W6CX - Jim Tittle, K6SOE
Scholarship - Janice Fujii, KG6VTD
Technical Committee - Jim Tittle, K6SOE

The Carrier Newsletter
Editor - Matthew G. Vurek, N4DLA
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Proofreader - Larry Loomer, KI6LNB
Printing & Distribution - Jan Kulisek, KM6NFC

Amateur Television Help and Information:
Fred Coe, WB6ASU wb6asu@icloud.com

President's Message

November 2021

MDARC Family,

We did it! Okay, the Pacificon Committee did it. Thanks to all the committee members who put in so much time and effort for making this happen and thanks to the other volunteers who made this a success. Was it a success! Yes, I would say so and from the comments I've heard and likely you as well, people were glad to come together again to meet with each other and see what new products the vendors had to offer. And thanks to the many attendees from the ARRL leadership for joining us.

And of course, thanks to all of you who came, because without you, there would have been no Pacificon. Mark calendar for next year because we expect it to be even bigger and better with more vendors.

Voted yet? Well, by the time you read this, the ballots have been made available to you via Constant Contact or in printed form for those who paid extra during membership renewal. So, please cast your vote and be counted! Speaking of elections, soon MDARC will have a new Board starting in January with some new faces ...and a few "old" ones. What will this new Board be looking for from you? Well, for starters, they would like to learn of your ideas for moving MDARC forward. Please don't think of the Board as the "all things MDARC" when it comes to ideas for our Club because ideas for club success come from you and the Board. What else does the Board need from you? They need your help to make those ideas a reality. It is one thing to say "the Board needs to do this or do that," but unless you are willing to volunteer your time towards the effort, you are only halfway to helping the Board and making ideas a reality.



Stepping down from my soapbox, let me share something I bought at Pacificon that I have used in the past for public service events. Sorry if this sounds like a plug for Tac-Comm's Tactical Radio Carriers, but I have found these to be very handy and practical. I already had one before Pacificon that I use to transport my Kenwood TM-V71A rig, external speaker, LiFePO₄ battery, and mounted voltage meter, USB charging ports and clock. I tried fitting in a kitchen sink, but it would not fit. At Pacificon I bought two more for a special project. Years ago I bought three Kenwood radios at a MDARC auction: TM-241A 144 MHz, TM-341A 220 MHz, TM-441A 440 MHz. These radios were part of a set of four that Kenwood sold and a couple of years later I bought on eBay the fourth in the set, the TM-541A 1200MHz. Ever since acquiring the fourth radio in the series. I've wanted to "showcase" them and that is where these Tac-Comm carriers come into play. I am hoping to fit two of them in one carrier and then stack the carriers. I am hoping to be able to use an Austin Metropolitan Quad-Band antenna with these four radios. I already use an Austin Suburban Tri-Band antenna that has worked well for me. [Note: both of these antennas are available at Ham Radio Outlet].

Club Membership Meeting: Friday, 11/19/21

What time? 7:00 PM

Where? Our Savior Lutheran Church, 1035 Carol Lane, Lafayette CA. We will meet in the sanctuary for this meeting rather than the Main Hall (aka Fellowship Hall).

Who can attend in-person? Members and guests. Please wear a mask.

How can others attend? On Zoom and the invitation will be sent on mdarc@groups.io

Note: The Zoom link will not be available on **the MDARC website**.

License Testing? License testing available starting at 5:30 PM.

The Hindenburg Radio Room

Call sign: DEKKA

From: <http://www.dx-qsl.com/hindenburg-radio-room.html>

The radio room of the zeppelin Hindenburg was located in the hull of the ship, just above the control car, and contained both long wave and short wave radios of 200 watts.

The Hindenburg's radio call sign was "DEKKA".

Technical details about Hindenburg's radio equipment can be found in an article published in Radio News in August 1936 and reproduced at: <https://www.antiqueradios.com/features/hindenberg.html>.

The Hindenburg's chief radio operator was Willy Speck who died in the crash at Lakehurst in 1937. More on Willy Speck at: <http://facesofthehindenburg.blogspot.com/2009/01/willy-speck.html>



"The greatest motivational act one person can do for another is to listen." Roy E. Moody

73, Larry Bradley KK6QPE; 11/06/21

2021 marks the 100th year anniversary of the historic amateur radio transatlantic tests between the United States and Great Britain. On December 11, 2021 The 1BCG replica transmitter will be operating as W2AN/1BCG on 1.820 MHz, plus or minus, using CW, from The Vintage Radio and Communications Museum of Connecticut. Transmissions from W2AN/1BCG will be one-way, just like the original transatlantic tests in 1921. You can get a SWL certificate for this Special Event by sending a copy of the transmitted message to : 1BCG@AntiqueWireless.org

Schedule: Transmissions start on December 11, 2021, on 1.820 MHz, +/-, at 1500 PST, then every 15 minutes thereafter for a total of five hours thusly; 1515, 1530, 1545, 1600, 1615, 1630, 1645, 1700, 1715, 1730, 1745, 1800, 1815, 1830, 1845, 1900, 1915, 1930 and the last transmission at 1945 PST.

This special event is your opportunity to relive a historic moment in amateur radio history.

(Above from: <http://1bcg.org/1BCG>)



Candidate for President

President.

Ed Morales KJ6KYT

**There is no candidate for
Vice-President.**

Candidate for Secretary:

Brian Lotter, KM6NGS (Incumbent)

Candidate for Treasurer:

Gene Sylls KG6EYE

**Candidate for Emergency
Coordinator:**

Larry Loomer KI6LNB

Candidates for Directors:

Trevor Hall WA6JAU (Incumbent)
Larry Bradley KK6QPE

**Ballots were distributed electronically or
via U.S. Mail to members**

Please vote by Wednesday November 17, 2021

PUBLIC SERVICE REPORT

By **Larry Loomer, KI6LNB**



Our first public service event of the summer occurred on Sunday, August 1, 2021. It was the Skyline 50k running race, going from Lake Chabot in Castro Valley to Skyline Gate in the Oakland Hills, and back to Lake Chabot. It was scheduled to run from 0700 hours to 1600 hours.

I was unfamiliar with the course, since I had only served at one particular aid station and as net control for that event in the previous years. I drove to all of the aid

stations in the race to see how to get to each station, and to test the signal strength from each station to the MDARC repeater. In previous years, a simplex frequency had been used to facilitate ham radio communications. I tried hitting the W6CX repeater from each station and I was surprised that the repeater came in well at most stations and pretty good at the rest of the stations.

I put out a notice to the club and got 19 volunteers that signed up for the event. A lot of the volunteers were first timers. Since the event was in the Oakland Hills, I made specific written descriptions, including mileage, of how to get to each station. After all, who hangs out in the Oakland Hills every weekend and knows where Marciel Gate and Big Bear are located in them thar hills?

Also included in my station description was the repeater test results list which made selecting the proper radio equipment an easy choice for the hams to bring.

Because the stations were so spread out over the course, we didn't have an in-person meeting before the event. Everyone was given a starting time based on when the first runners were expected to arrive at their station location. Each ham made a radio check from his/her station location to Net Control when they were set up. My earlier signal strength test proved to be valid, and every ham had a good to outstanding radio frequency connection to the repeater.

The race itself ran well. A few runners got lost on the trail due to poor interpretation of the meaning of the pink ribbons that were placed on the foliage near to the trail, indicating the correct trail to take at intersections.

We were served an outstanding hot lunch at the Finish Line after we had done our jobs. We received souvenir T-shirts as a memento of our successful day.

To be continued.



RESTORING A HALLICRAFTERS HA-1 ELECTRONIC KEYER

Text and Photos by Matthew G. Vurek, N4DLA



In 2019, I purchased a Hallicrafters HA-1 electronic “T.O. Keyer” from Lynn, WA6KJZ, who lived about 3 miles away from me. Cosmetically, it was in near mint condition inside and out but was totally inoperative. The HA-1, designed by Jim Ricks, W9TO, was introduced in 1960 and was Hallicrafters’ first electronic keyer. Its styling was similar to their amateur radio equipment introduced from 1959 to 1962 and it appears to utilize the same cabinet as the HA-5 external variable frequency oscillator (VFO). The 7 ½ pound keyer was produced until the late 1960s. Its operating manual stated the following:

The Hallicrafters Model HA-1 T.O. Keyer employs digital circuitry, similar to that found in modern digital computers, to form perfect Morse code characters at any

speed. Experienced operators appreciate its stability and precision of operation, and novice operators discover a new command of CW that leads to proficiency and unsuspected enjoyment. The keyer operates much in the same way as a tape transmitter; the dash-dot and mark-space ratios remain constant over the speed range, and the speed and mark-space adjustments are completely independent.

In October 2021, I finally began work to restore this keyer. Using the now-abhorrent concepts of “implicit bias” and “the usual suspects,” the first target was the power supply’s two Mallory 20 microfarad electrolytic capacitors. After almost 60 years, these capacitors were probably not within their rated electrical specifications. Sure enough, both measured “open” on a volt-ohm meter (VOM). The four remaining electrolytic capacitors were all Cornell-Dubilier “tiny chiefs,” which are notorious amongst Hallicrafters restorers as being failure prone...so they were all replaced without being checked. De-Oxit brand cleaner was sprayed on all control contacts.

Next, all the tubes were tested and checked out fine...a tribute to the manufacturer’s quality as the tubes (four 12AU7s, an OA2 and an OB2; these tubes are still plentiful today) were Hallicrafters brand (assembled for them by RCA). After the electrolytic capacitors were replaced and the tubes checked, it was time to apply power to the HA-1. I turned the large, Raymond Loewy-styled knob to the “on” position and the vacuum tubes slowly began to light. I advanced the volume control and heard hum from the speaker. I plugged in a single-lever keyer paddle and began tapping it left and right to form dots and dashes. All I heard was the clicking of the mercury-wetted contact relay and low hum out of the speaker. The words-per-minute speed control worked (it accelerated and decelerated the clicks) but sidetone (the audio tone generated when dots and dashes are sent) exercised its right to remain silent.

The sidetone is generated by an NE-2 neon bulb (that acts as the tone oscillator), which is mounted on the underside of the chassis. Inspection of the bulb revealed a severed lead that was broken too close to the bulb bottom to be repaired. The bulb was removed and a replacement NE-2 (smaller than the original) was carefully soldered in. When the HA-1 was turned back on, the new NE-2 bulb lit up and the sidetone became audible when the keyer paddle was tapped. The sidetone volume control also began working...success!!

N4DLA gratefully acknowledges the workbench supervision (and parts) from John Schuler, W6DTV (ex-KG6CZX) and his father, Gerald G. Vurek, KF6CVA, during this restoration project.

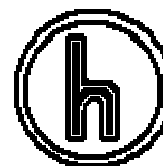
The left photo shows the bottom of the HA-1 chassis with its original electrolytic capacitors, including the notorious pink "tiny chiefs." The two large orange Mallory 20 microfarad electrolytic capacitors had failed after nearly 60 years of service; the large neon bulb had a broken lead.

The right photo was taken after all the electrolytic capacitors and the damaged NE-2 neon bulb were replaced. The replacements for the four "tiny chiefs" are yellow while the two Mallory replacements are black.



Detailed information on the HA-1 can be found at this web page authored by John R. Whitt, Jr., AI4FR:

https://www.ai4fr.com/main/page_ham_radio_hallicrafters_ha1.html



the hallicrafters co.

100th Anniversary Celebrations for Transatlantic Amateur Radio Transmissions

The Radio Society of Great Britain (RSGB) and the ARRL have announced joint events to celebrate the achievement of transatlantic communications by radio amateurs 100 years ago.

In December 1921, ARRL sent Paul F. Godley, who held the US callsign 2ZE, as their representative to listen for amateur signals from North America during the Second Transatlantic Tests. Godley set up his listening equipment in Ardrossan, on the west coast of Scotland. He received the signals of more than two dozen American amateur radio stations.

During the morning of 12 December in Scotland, (the evening of 11 December in the US), Godley received the first transatlantic message from Amateur Radio station 1BCG in Connecticut, operated by members of the Radio Club of America (RCA). The message read, “Nr 1 NY ck 12 to Paul Godley, Ardrossan, Scotland. Hearty Congratulations. (Signed) Burghard Inman Grinan Armstrong Amy Cronkhite.”

These successful Transatlantic Tests, and the ones that followed in the next years, would spur technological advances and new wireless distance records spanning the globe. The following events commemorate the centenary of these significant milestones that heralded the dawn of two-way international amateur radio communications.

160-Meter Transatlantic Centenary QSO Party 0200 – 0800 UTC Sunday, December 12, 2021

To commemorate the 100th anniversary of the successful Second Transatlantic Tests, ARRL and RSGB will activate special event stations for 6 hours on 12 December 2021 for the **160-Meter Transatlantic Centenary QSO Party**.

RSGB will activate GB2ZE from Scotland, with a team of stations from the GMDX Group sharing the operating. ARRL will activate W1AW from Newington, Connecticut. The stations will operate by Morse code (CW) only. Operation will start at 0200UTC and continue until 0800UTC. If propagation across the Atlantic holds up, the stations may continue to operate beyond 0800UTC.

The GMDX Group of Scotland will award a cup known as a quaich (a traditional Scottish drinking cup representing friendship) to the first stations in North America and the UK to complete contacts with both W1AW and GB2ZE during the QSO Party. Successful QSOs will be published jointly by RSGB and ARRL, and there will be a commemorative certificate, available for download, for stations that work one or both of the activations.

More Events and Commemorations

The RSGB and the ARRL have assembled a list of stations and groups who are also organizing events and activities to celebrate 100 years of Amateur Radio transatlantic communications. For more information, visit arrl.org/transatlantic and rsgb.org/transatlantic-tests. The sites also include links to many previously published articles and presentations covering the historic Tests. Here are a few additional events and commemorations:

- **W1AW Commemorative Transatlantic QSL Card.** Stations making contact with the Hiram Percy Maxim Memorial Station, W1AW, from 11 December 2021 to 31 December 2022 may seek a commemorative W1AW QSL card. The Maxim Memorial Station is located at ARRL’s headquarters in Newington, Connecticut. US stations, please QSL with a SASE; international stations QSL via the Bureau.
- **GB1002ZE, 1-26 December 2021.** The Crocodile Rock Amateur Group (CRAG) based near Ardrossan in Scotland will activate the special call sign GB1002ZE to commemorate the successful reception of amateur transatlantic signals by Paul Godley, US callsign 2ZE, in 1921. RSGB encourages stations in the UK and Crown Dependencies to add the suffix “/2ZE” to their station’s normal callsign throughout the period, as authorized by Ofcom (the UK regulator).

(Above from: <https://rsgb.org/main/blog/news/rsgb-notice/2021/09/24/transatlantic-centenary/>)



*Thanks to our Uniformed Services Veterans for
Serving and Protecting the United States of America*

Board of Directors Meeting September 13, 2021

Held at Zoom online

1. Call to Order: The meeting was called to order at 7:01 pm by Larry Bradley KK6QPE after it was determined that there was a quorum for conducting Club business.

2. Roll Call: Attendees via Zoom screen shot:

Officers: Larry Bradley KK6QPE, President; Jan Kulisek KM6NFC, Vice President; Brian Lotter KM6NGS, Secretary; Cathi Walton K2CJW, Treasurer; Ron Bunch W4FEK, Emergency Coordinator; Mike Warren W6MEW, Director at Large; Trevor Hall WA6JAU, Director at Large; Cal Vasquez, K6VT, Director at Large.

Committee Chairs/Coordinator: Mike Patterson N6JGA; Jim Tittle K6SOE; Larry Loomer KI6LNB; Julie Mah WJ8MAH; Jim Siemons W6LK.

Guests: Dave Billeci WA6UHA; Barb Whysong KJ6BAW; Marilyn Warren SWL; Misa Siemons KJ6BUE; Greg Estep KE6VTA; Dave Billeci WA6UHA; Tom Deeble KA6SIP; Debbie Deeble KN6DOM; Patrick Miller KK6DBX.

3. Approval of Minutes from Last Meeting: The minutes of the August 2, 2021 meeting were approved without objection.

4. Adopt Tonight's Agenda: The agenda for this meeting was approved.

5. Officer reports:

a. President Larry Bradley KK6QPE – Nothing to report

b. Vice-President Jan KM6NFC – Showed a document for General Meeting Speakers and Topics and explained some of the details.

c. Secretary Brian KM6NGS – Nothing to report.

d. Treasurer Cathi K2CJW presented a summary of the August 2021 monthly report. She then presented the detailed spreadsheet. There were no questions for Cathi.

6. Emergency Coordinator Report: Ron Bunch W4FEK stated that there have been no issues, no problems and no disasters. Mike W6MEW added that, last night, he heard the net controller for a Spanish net on W6CX. Net controller only, no participants.

7. Directors at Large Reports:

Mike Warren W6MEW – Nothing to report.

Trevor Hall WA6JAU Nothing to report.

Eric Ferguson KA6USJ – Nothing to report.

Cal Vasquez K6VT – Nothing to report.

8. Committee Reports:

a. Education and Training: John Primus AF6RJ submitted his report via email.

b. Pacificon: See 10.2 in Unfinished Business below.

c. Digital Media: Mike Patterson N6JGA reported that Google has done a security update on file sharing for Google Drive which, they say, will make file sharing more secure, they also say that it will change the link on some files.

d. Outreach: Dick Wade WM6G was not present.

f. Technical: Jim Tittle K6SOE – Nothing to report.

g. Auction: No report expected.

h. Vehicle (MDARC-1): Jim K6SOE - Nothing to report.

i. Communications Trailer: Mike W6MEW stated that it is ready and available.

j. Field Day: No report.

k. License Testing: Larry KI6LNB reported that license testing has been going along smoothly and that at least 10 or 11 have passed their exams.

- l. Public Service: Larry KI6LNB stated that 14 people have signed up to support the Mount Diablo Bike challenge event which will take place on October 3. He also mentioned that there will be a GOTA class, this coming Saturday, for people who have signed up to support both the Fire Trails 100K race and the Mount Diablo Bike Challenge.
- m. Membership: Jan KM6NFC showed a screen shot of the membership portal with the Membership Report. He stated that the 2021 Membership Directory is now complete. Because it is questionable whether the membership directory is completely accurate, there was some discussion about who is eligible to vote. Larry KK6QPE concluded that we will have to use the information in the existing directory. Jan stated that he would like to have meetings with a number of people as he proceeds with the ongoing development of the Membership Portal. There was further discussion about how to handle past due members and Larry stated that there needs to be a motion to the board on how to handle this issue.
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- n. Election Committee: No report.
- o. Scholarship: a report was not expected.
- p. Radio Lending Library: a report was not expected.
- q. Holiday Banquet: Larry KK6QPE stated that, understandably, Misa had declined to chair the holiday banquet committee. Larry opened a discussion on whether to have the banquet this year. Cal proposed a motion, seconded by Trevor, that we pass on this year's banquet due to Covid and other reasons and pick it up next year. The motion was carried unanimously.**
- r. 75-year Celebration Committee: Larry acknowledged Barb KJ6BAW and stated that this will be discussed under unfinished business.

9. Future Meetings:

General Meeting 09/17/21 in-person with Zoom option.

Board Meeting 10/04/21 on Zoom only.

10. Unfinished Business:

10.1 Update for any changes for OSLC meeting requirements: Larry stated that he is keeping this item on the list to check for changes in the requirements of OSLC for in-person meetings; Lauren WA6CIE was not present.

10.2 Pacificon Committee's Action Items participants' notification: Larry shared a screen showing the 2021 PACIFICON ACTION PLAN. Julie WJ8MAH clarified the requirements for acceptable proof of vaccination documents. Trevor WA6JAU, seconded by Brian KM6NGS, proposed a motion to accept the 2021 PACIFICON ACTION PLAN. The motion was carried by all attendees except for Jan KM6NFC.

10.3 Membership Directory: when final, is to be published/submitted to the membership: This was covered under section m. in the Committee reports.

10.4 Status report on revising the membership database for processing and tracking payments, status, etc.: This was covered under the Vice President's report above.

10.4 Roadie's storage visit towards implementing MDARC's Document retention policy: On hold until after PACIFICON.

10.5 HRO advertisements in the Carrier: On hold till after PACIFICON.

10.6 75th year celebration, top 5: There was a limited response to Larry's email requesting votes for the 19 proposals. After some discussion on the merits of the various options, Larry stated that he will keep the voting running for a while.

10.7 Holiday banquet: This was dealt with under item q. in committee report above.

10.8 Technical Committee report regarding South Peak to North Peak repeater transfer; Cost projection...energy cost: Still on hold.

10.9 Updating MDARC By-Laws for grammatical and content considerations: This is on hold until membership can meet in-person.

11. New Business:

11.1 Volunteers needed for PACIFICON: It was decided that Cathi will send an email to each MDARC member inviting them to volunteer at PACIFICON. The addresses will be provided by Jan. Larry KK6QPE requested that he be provided a list of bounce backs, to Cathi's emails, in preparation for the sending of ballots. Mike N6JGA stated that he had placed a request for volunteers in his ARRL section manager's newsletter.

11.2 Larry KK6QPE invited further comments for the good of the order. Larry KI6LNB stated that he would like to get some money for his church, for the time we have spent in Fellowship Hall, and for all the time we will be spending there next year. Larry KK6QPE stated that there is an existing agreement to pay them \$150 for the current Amateur Extra classes. Larry KI6LNB replied that, that is true, but the church would like to get more money for all those classes. Larry KK6QPE stated that John Primus AF6RJ is currently working out what we can afford to pay for the 2022 classes and that he has recommended to John that he should pay the \$150 before we continue to negotiate with them for 2022.

12. Adjournment:

Mike W6MEW seconded by Jim K6SOE, proposed a motion to adjourn. All members voted in favor.
Meeting Adjourned at 9:00 pm

Respectfully submitted by Brian Lotter KM6NGS, Secretary, on September 26, 2021
These meeting minutes were signed digitally due to the digital meeting.

General Meeting Minutes September 17, 2021

Held as an in-person and hybrid Zoom meeting at Our Savior's Lutheran Church in Lafayette.

1. Call to Order: The meeting was called to order at 7:00 pm by the MDARC President Larry Bradley KK6QPE

a. The president welcomed all attendees.

b. New members: New member Frank KN6QDK was welcomed.

c. There were no visitors.

d. The president invited MDARC members to attend the next Board Meeting which will be held on October 4th and mentioned that it will be held on Zoom only.

2. The Pledge of Allegiance: will not be made during combined virtual and in-person meetings.

3. Approval of Minutes from the Last Meeting: The minutes of the August meeting were approved.

4. Officer Reports:

a. The President had no report.

b. The Vice President briefly described the new membership portal, that he is working on, and said that he plans to conduct testing with some members in the next month.

c. The Secretary had no report.

d. The Treasurer read the monthly summary report for August 2020:

MDARC Checking account income \$291.59, Expenses \$2,214.15, Monthly Total -\$1,922.56. Total MDARC Checking/Savings \$65,390.57. Equipment self-insurance \$58,205.21, Pacificon \$40,902.62. Total assets \$164,498.40. There were no questions for Cathy K2CJW

e. The Emergency Coordinator stated that no issues have been reported so all good.

f. PACIFICON; Julie Mah WJ8MAH reported that Pacificon is “a go”. The Pacificon team is doing everything we can to make sure that everybody at PACIFICON will be safe. We will be checking for vaccine verifications or a negative Covid test within the 3 days prior to PACIFICON, everybody will be masked, all vendors will have Clorox wipes, and there will be hand sanitizer in all of the rooms. She stated that everybody will have show a valid ID plus proof of vaccination or negative test within 3 days prior and everybody will have to wear a mask. Everybody will have to pass this verification precheck in order to receive a verification slip that they will need to resent to registration before their badge will be issued. Badges must be worn all three days and must be visible. The Covid test must be done by a healthcare provider, not a pharmacy like Walgreens. Julie also stated that more volunteers are needed and that if a volunteer works for 4 hours, they can get their registration refunded. A volunteer does not have to be a ham.

g. ****Membership

h. ****Public Service

i. ****Vehicle Committee [MDARC 1]

j. License Testing; Larry Loomer KI6LNB reported that 1 person passed Technician to Amateur Extra levels this evening, 9 people passed the General exam and 4 people passed the Technician exam.

k. ****Trailer Committee

l. ****Field Day

m. ****Holiday Banquet

n. Election committee;

****not scheduled or unavailable

There were no other committee reports.

6. Unfinished Business: None

7. New Business:

a. Nominations for club officers; The president stated that the club’s by-laws require us to begin the nomination process for club officers. He asked that nominees be approached for their approval before being nominated. He then called for nominations for each of the officer positions and received none.

b. The president reported that the board had decided, on Monday, not to hold a holiday banquet this year but that we will roll it in to something next year.

c. The president stated that there will be a general meeting on December 18th in lieu of the holiday banquet.

The president called for anything for the good of the order.

Lauren WA6CIE, announced that the November meeting will be held in the sanctuary.

Stan asked how long the nominations for club officers will be open. The president replied that the by-laws allow us to have nominations up until the general meeting in November but that we are hoping that we don’t have nominations from the floor. We would like to have all the nominations before we send out the ballots which needs to be done as early as two weeks prior to the November general meeting.

8. Adjourn Business meeting: The business portion of the meeting was adjourned at 7:24 pm.

Speaker Introduction by Jan Kulisek KM6NFC: David Piersall, N6ORB – Antennas and HOAs.

Respectfully submitted by

Brian Lotter KM6NGS

Secretary, on October 10, 2021.



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- 50W Reliable Output Power • Real Dual Band Operation (V+V, U+U, V+U, U+V) • 2-inch High-Res Full Color TFT Display • Band Scope • Built-in Bluetooth • WiRES-X Portable Digital Mode/Fixed Mode with HRI-200



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- Ultra-Compact/Portable • Multi-Color Easy to See LCD • 208 Memory Channels/10 Memory Groups • Built-in Electronic Keyer • Internal Battery Operation Capability • Two Antenna Connectors • Built-in High Stability Oscillator ± 0.5 ppm



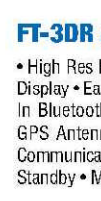
FTM-400XD | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band



FT-70DR C4FM/FM 144/430MHz Xcvr

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- High Res Full-Color Touch Screen TFT LCD Display • Easy Hands Free Operation w/Built In Bluetooth Unit • Built-In High Precision GPS Antenna • 1200/9600bps APRS Data Communications • Simultaneous C4FM/C4FM Standby • Micro SD Card Slot



FT-65R | 144/430 MHz Transceiver

- Compact Commercial Grade Rugged Design • Large Front Speaker Delivers 1W of Powerful Clear Audio • 5 Watts of Reliable RF Power Within a compact Body • 3.5-Hour Rapid Charger Included • Large White LED Flashlight, Alarm and Quick Home Channel Access



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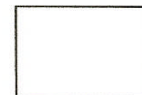
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W6CX Nets

M-F 5:42 am Morning Muster 147.060+ 224.780- 441.325+

M-F 6:10am Commuter Net 147.060+ 224.780- 441.325+

Monday 8:00 pm SATERN Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

Tuesday 8:00pm Digital Practice Net 147.060+ 224.78- 441.325+

Wednesday 7:00 pm SKYWARN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Digital Amateur Television Net 147.060+

Club FM Repeaters

147.060 MHz + / PL 100Hz

224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

EchoLink: W6CX-R /133896, IRLP: 3057

<https://www.broadcastify.com/listen/feed/25334>

D-STAR 145.000 offset plus 2.5 MHz

<https://w6cx.dstargateway.org/>

DATV Internet Stream: <http://w6cxatv.mdarc.org/>

YouTube Channel: Media MDARC

Contra Costa County Emergency Communications Nets Every Thursday

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 147.480 Simplex

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735-- (107.2 PL)

or 145.410-- (107.2 PL)

Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

Digital Amateur Television Repeater

Digital ATV Output: 1244.500

Digital ATV Inputs: 1292.500, 1273.0, 917.0, 430.0

Analog ATV Input: 1270.000 FM (PL 192.8)

November and December 2021 Club Calendar

Friday November 19, 2021	7:00pm - MDARC General Meeting - Our Saviors Lutheran Church 1035 Carol Lane Lafayette *MEETING IN THE SANCTUARY* License testing 5:30pm Also available on zoom.us via link sent from groups.io or watch on DATV repeater
Saturday December 4, 2021	8:00am MDARC Technical Committee Meeting - VIA VIDEO CONFERENCE
Monday December 6, 2021	7:00pm - MDARC Board of Directors Meeting - VIA VIDEO CONFERENCE
Friday December 17, 2021	7:00pm - MDARC General Meeting - Our Saviors Lutheran Church 1035 Carol Lane Lafayette